

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method for accessing, in a computer system, a data object having an identifier (ID), comprising:
 - storing the ID in a second lock object; [[and]]
 - determining whether the ID was stored successfully, and upon a successful storage, ~~checking~~ determining, before accessing the data object, whether the ID is contained in a first lock object; [[and]]
 - if the ID is contained in the first lock object, determining whether a link to a storage location is assigned to the ID in the first lock object, and
 - if the link is assigned to the ID, restricting a read and/or write access on the data object, and
 - if the link is not assigned to the ID, deleting the ID from the first lock object and performing [[a]] the read and/or write access on the data object, and
 - if the ID is not contained in the first lock object, performing the read and/or write access on the data object; and
 - displaying to a user, on an output display, whether the read and/or write access on the data object is restricted or can be performed.

2. (Previously Presented) The method of claim 1, wherein the first lock object is a file stored on a nonvolatile storage means.

3. (Currently Amended) The method of claim 1, wherein the first lock object comprises a table[[,]] having a first column for the ID and a second column for the link of the ID to a storage location.

4. (Previously Presented) The method of claim 1, wherein each data object comprises one or more fields of one or more tables and wherein the ID comprises one or more key fields of the one or more tables.

5. (Previously Presented) The method of claim 4, wherein the link is a filename or a link to a file.

6. (Previously Presented) The method of claim 1, wherein the first lock object is created by a data moving process.

7. (Previously Presented) The method of claim 1, wherein the second lock object is stored in a volatile storage means.

8. (Previously Presented) The method of claim 1, wherein the second lock object is a data array.

9. (Previously Presented) The method of claim 8, wherein the data array is one dimensional.

10. (Canceled).

11. (Currently Amended) A computer system for processing data, comprising:
memory means for storing program instructions;
input means for entering data;
storage means for storing data;
a processor responsive to the program instructions, wherein the program instructions comprise program code means for performing a method for accessing a data object having an identifier identifier (ID), the method comprising:
storing the ID in a second lock object; ~~[[and]]~~
determining whether the ID was stored successfully, and upon a successful storage, ~~checking~~ determining, before accessing the data object, whether the ID is contained in a first lock object; ~~[[and]]~~
if the ID is contained in the first lock object, determining whether a link to a storage location is assigned to the ID in the first lock object, and
if the link is assigned to the ID, restricting a read and/or write access on the data object, and

if the link is not assigned to the ID, deleting the ID from the first lock object and performing [[a]] the read and/or write access on the data object, and

if the ID is not contained in the first lock object, performing the read and/or write access on the data object; and

displaying to a user, on an output display, whether the read and/or write access on the data object is restricted or can be performed.

12. (Currently Amended) A computer readable medium comprising instructions for performing a method for accessing a data object having an identifier (ID) in a computer system, the method comprising:

storing the ID in a second lock object; [[and]]

determining whether the ID was stored successfully, and upon a successful storage, ~~checking~~ determining, before accessing the data object, whether the ID is contained in a first lock object; [[and]]

if the ID is contained in the first lock object, determining whether a link to a storage location is assigned to the ID in the first lock object, and

if the link is assigned to the ID, restricting a read and/or write access on the data object, and

if the link is not assigned to the ID, deleting the ID from the first lock object and performing [[a]] the read and/or write access on the data object, and

if the ID is not contained in the first lock object, performing the read and/or write access on the data object; and

displaying to a user, on an output display, whether the read and/or write access on the data object is restricted or can be performed.

13-14. (Canceled).

15. (Previously Presented) The computer readable medium of claim 12, wherein the first lock object is a file stored on a nonvolatile storage means.

16. (Currently Amended) The computer readable medium of claim 12, wherein the first lock object comprises a table[[,]] having a first column for the ID and a second column for the link of the ID to a storage location.

17. (Previously Presented) The computer readable medium of claim 12, wherein each data object comprises one or more fields of one or more tables and wherein the ID comprises one or more key fields of the one or more tables.

18. (Previously Presented) The computer readable medium of claim 12, wherein the link is a filename or a link to a file.

19. (Previously Presented) The computer readable medium of claim 12, wherein the first lock object is created by a data moving process.

20. (Previously Presented) The computer readable medium of claim 12, wherein the second lock object is stored in a volatile storage means.

21. (Previously Presented) The computer readable medium of claim 12, wherein the second lock object is a data array.

22. (Currently Amended) The computer readable medium of claim [[12]] 21, wherein the data array is one dimensional.

23. (Currently Amended) A computer system for ~~processing~~ accessing a data object having an identifier (ID), comprising:

means for storing ~~an identifier (ID)~~ the ID in a second lock object; and

means for determining whether the ID was stored successfully, and upon a successful storage, ~~checking~~ determining, before accessing the data object, whether the ID is contained in a first lock object; [[and]]

if the ID is contained in the first lock object, determining whether a link to a storage location is assigned to the ID in the first lock object, and

if the link is assigned to the ID, restricting a read and/or write access on the data object, and

if the link is not assigned to the ID, deleting the ID from the first lock object and performing [[a]] the read and/or write access on the data object, and

if the ID is not contained in the first lock object, performing the read and/or write access on the data object; and
means for displaying to a user, on an output display, whether the read and/or write access on the data object is restricted or can be performed.

24. (Previously Presented) The computer system of claim 23, wherein first lock object is a file stored on a nonvolatile storage means.

25. (Currently Amended) The computer system of claim 23, wherein the first lock object comprises a table[[,]] having a first column for the ID and a second column for the link of the ID to a storage location.

26. (Previously Presented) The computer system of claim 23, wherein each data object comprises one or more fields of one or more tables and wherein the ID comprises one or more key fields of the one or more tables.

27. (Previously Presented) The computer system of claim 23, wherein the link is a filename or a link to a file.

28. (Previously Presented) The computer system of claim 23, wherein the first lock object is created by a data moving process.

29. (Previously Presented) The computer system of claim 23, wherein the second lock object is stored in a volatile storage means.

30. (Previously Presented) The computer system of claim 23, wherein the second lock object is a data array.

31. (Currently Amended) The computer system of claim ~~[[23]]~~ 30, wherein the data array is one dimensional.

AMENDMENTS TO THE DRAWINGS:

Please replace the drawing sheet containing Fig. 1 with the attached Replacement Sheet. Amendments to the drawings are discussed below in the Remarks section of this paper.

Attachments: One (1) Replacement Sheet which includes Fig. 1.